

# A Rand DLANTATION



## IS DISTURBANCE

Create An Unprecedented **World Situation** 

PRICES HOLD FAIRLY FIRM IN FACE OF DIFFICULTIES

Refiners' Need of Raws Causes Sales That Hold Market In Strong Position

The New York sugar market was affected by two main factors during the last two weeks of February, the labor troubles in the refineries and close on the heels of this the aunouncement of Germany of a return to unrestricted submarine warfare. Other factors ea tered in the general disturbance of the market and are noted by the Louisiana Planter under date of February 3 as

"The sugar markets of the world have been disturbed during the week the direct and indirect results of the great war in Europe, the carnest elforts making by the English government to largely reduce the consumption of augar in Eugland, the very short sup-plies of sugar available at the Atlantic coast sugar refineries, which latter is increased by the advanced cost of shipping from Cuba, by the withdrawal of the United States beet sugar producers to their own immediate territory, by the very short supply expected from the Philippines and all these influences combining creating a disturbed condition without precedent since the early days of the last century.

Describing the effect of the new submarine warfare on the trude, a special telegram from New York to this journ al dated February 1 says:

Divers Trouble Trade
The trade is waiting for developments tonight, and trying to fathom what effect the renewal of the unrestricted submarine warfare by Germans will have on sugar.

'Local circles were inclined to argue bearishly from the premises, suggesting for instance that the shipments to the United Kingdom and France would be either prevented or sunk thus forcing the Cuban planter to press his crop in

"Refiners, it was said, would make the most of the opportunity to pick up chesp raws though, on the other hand. would hardly be happy at suffering a curtailment of the profitable export business.

Peace To Increase Demand

"However, this view was not gen eral, it being suggested that the British would see that their food supplies would be convoyed within minimum losses resulting and where such occurred, a demand for replenishment should follow. The American government is not likely to allow its commerce to be interfered with in this fushion, according

to the general view, and some think that recent developments mean a mate ion, will witness an urgent inquiry for sugar from both neutral and belligerent.

Refiners have been confirmed in their waiting attitude by the strikes at maize in war bread. This percentage their plants, there being little improvement at the H. and E. or the New York, Drastic economy and cheerful submiswhile the Franklin and Pennsylvania sion alone will avert famine." are mentioned as experiencing some trouble as well.

Strikes Limit Purchases Labor is restive and until the limited. Receipts are larger than meltings naturally and stocks accumulating. country is holding off at the 6.75

The market closed the week of Janpary 27 quiet and dull, depressed by the strikes at the Havemeyer, Arbuckle and Long Island refineries. Last sates reported, on Friday of that week, in-cluded 8000 bags Porto Ricos at 4.75 cents and 4200 bags Cubas at equal to 5.02 duty paid delivered to a speculator Lyon of the planters' experiment stabags for January shipment at equal to 4.95. Summary of the market trouble to make an investigation. This for the week of January 29 to February otherwise excellent variety of cane is

Market Is Steady

At the opening of the market Monday it was called steady with buyers willing to take more sugars at the last quotations and it was further reported that on Saturday 50,000 bags of Cubas in port and affoat and including some January clearance sugars, were sold at 3% cents cost and freight.

Some Porto Rico for prompt shipment was sold at 4% cents and a lot of full American Sugar Refining Co. bought has been cleared and first plowed, for duty sugars, due February 1, sold at 4" cents. These sales left the brokers quoting the market steady at 3% cents for Cuba, cost and freight, equal to sellers were playing for position. 4.89 cents duty paid.

at 3% cents cost and freight, but with ally speculators bought 20,000 bags of in good time. no sales reported. Sugar refiners were Cubas for February shipment and 20, reported as showing but little interest one for March at 1% cents cost chart rations, should be approximately and freight, equal to 4.89 duty paid the same as that for 1918, or about 6000 delivered. The waiting game on the acres. With a further additional area tion in meltings because of their own part of the refiners failed in that instoppage, the result of the strike. In stance and the war news so depressing this we should in the future be able to covered by experiments amounts to stocks of more than 5,000 kilograms Caledonia or any other variety under other words, they were over sold and to the cotton market, did not seem to fallow yearly an equal area of old land some sixty acres while at Hawi fifteen (over 11,000 pounds) will be seized by examination, into strains that vary expecting lower prices, although they depress the sugar market.

## Sugar Shipments Are Still Far Ahead of Last Year

Sugar shipments from the Islands to Francisco and the East still continue far ahead of the same time last year. Total shipments through the Sugar Pactors Company is reported by Many Unique Factors Combine To Manager Nowell as 71,000 tons includ ing the Lurline, February 13. The total last year including the same sailing of the Lurline on February 15 was 64,000.

Recent cargoes were Matsonia, sailing February 7, 7257 tons for Crocketts Western; Minnesotan, 9441 tons for San report reads in part as follows: Prancisco for shipment overland from San Francisco to Eastern refineries.

have been reported in the Hilonian Kona Development Company, 152 tons Robinson, 230 tons from Hutchinson, total of 884 tons.

The next American-Hawnian steamer due to sail is the Texan which will take The Texan came in from Pearl Harbor yesterday, will load 3041 tons here and sail Friday for Kannapali and load 2000 tons, sailing for Kahului Sunday, loadwhere 3946 tons will be picked up in time for the vessel to depart Febru-

Thereafter the schedule of American-Hawaiian sailings are Minnesotan due The general condition of the planta-here February 24, sailing March 5; tion is excellent, and the labor condi-Texan, due here March 10, sailing tions satisfactory. March 19; Mexican, due March 24, snil-ing April 2; and then a fourteen day sailing service with the Mexican and Texan making the round trip to the the vessels to arrive every other Saturday and depart every other Monday. Sugar shipments scheduled to go out by Matson steamers are 28,000 tons this month, 24,000 next month and 24,000 tons in April.

### SOIL ACIDS ARE REAL. NOT MERELY APPARENT

The theory that soil acidity is only apparent has been held by some theorists. Their idea was that acidity was often produced in soils not really sour mineral fertilizers and the splitting up or "colloids,"

This theory has now been disproved going on. by E. Truog. In the journal of Indus- Anomala Pest Parasitized trial and Engineering Chemistry, Truog | Considerable injury was done to the states that "soil acidity is due to true came on some of our older fields in in nearly all the Anomala infested acids and not to selective iron absorp. Waiawa and Waipio, by the Anomala fields. They are established in field tion by colloids; the avidity of the act- beetle, a pest which has lately infested ly which is of prime importance.

two kinds of soil neidity, which are des- ing, in this connection, to report that ignated as active and latent. Truog through the efforts of Mr. F. Muir, proposes methods for their separate determination.

ties of lime required by agricultural ated in the infested fields in March,

Hungary Also Short

London papers quote Baron Kurty, rial short ending of the war no matter the Hungarian food controller, as say what happens. And peace, in their opining in a recent statement: "Las year's potato crop was bad and will soon be exhausted. Sugar, also, is very short. There is only ten per cent will be increased during February

Pioneer Improvement Plans

Improvements are planned for Pic trouble is settled, purchases will be neer Mill plantation during the present year estimated to cost between \$175,000 and \$200,000, according to the annual Next Year 45,000 Tons report of Manager Weinzheimer. The manager reports that he expects to reduce operating expenses during the for seed, in which event we intend to present year.

Eye-Spot In H-333

The eye-spot disease in H-333 was re-ported to be making rapid beadway last month on Kauai and Dr. H. L. tion was called to the scene of the extremely susceptible to eye spot under certain weather conditions and cannot safely be extended to large areas.

had inadequate supplies of sugars with which to proceed Situation Gains Strength

On January 31 the situation was thought to be a little stronger. The strike situation was not improved and 16,000 bags the day before and only then reported, at 3% cents and it was

On Thursday, February 1, some re-

## FOR LARGER AREA

improvements To Be Complete In Year; Acreage Being **Gradually Increased** 

Recording a prosperous year and s ood outlook for the future, the annual report of E. K. Bull, manager of Onhu Lurline, February 13, 4118 tons for Sugar Company was mailed out to Crockett and 1617 tons for Western; stockholders yesterday for the annual Enterprise, February 10, 3476 tons for meeting of the company today. The Sugar Company was mailed out to

Justified by accumulated earnings amounting to more than \$1,500,000.00, Additional shipments which should partly invested in properties, and part in the hands our agents, a cargo a week ugo were 189 tons from stock dividend of \$1,000,000.00 was de-Kona Development Company, 152 tons elseed during the past year, increasing from Laie, 313 tons from Gay and the capital stock of the company from

\$5,000,000.00 to \$6,000,000.00. The total net profit for the year was \$1,658,488.17. Dividends paid were: ten per cent on the old capital, and out 14,000 tons about the twenty fourth. | nine per cent on the increased capital, amounting in all to \$1,040,000.00.

We paid the employes of the

company a bonus of \$259,611.55.

We have on hand material for coning 5013 tons there, sailing for Hilo tainers, more than sufficient for the coming crop, which cost us \$112,778.91. Our account shows a credit balance of \$806,462.28, is our agents' hands.

Ready For Any Depression

The general condition of the planta-

By the end of the current year, all the projected improvements should be completed, and the plantation fully developed, and well equipped to handle Coast every twenty-eight days with the increased crops. We should thereever before, to meet any depression that may eventually develop in the sugar market.

For the 1917 crop there are to be harvested, the following: Plant Case . . . . . . . . 1,409.54 acres eleven of the Oahu Sugar Company Long Ratoons . . . . . . . 3,121.38 Short Ratoons ..... 605.56 " \* Total . . . . . . . . 5,136.48 "

Included in the above area of plant cene are 550 acres of new land in Waiswa and Waipio, as well as 112 neres of land previously cultivated rapid fixation or absorption of without irrigation; these areas being the first new land to come in under the of the chemicals composing them into Wainhole water system, show a fine their mineral and acid constituents, stand of cane, although the fields were This action, it was supposed, was one deprived of irrigation water for a of the properties of the soil "gels," period of several months, while the work of lining some of the tunnels was

ive acids in different soils varies great- these sections of the plantation, and a smaller yield of cane per acre than This investigator finds that there are that for 1916 is expected; it is gratify. entomologist of the Hawaiian Sugar Planters' Association experiment sta-This subject is of primary interest in tion, an effective parasite for the Anoonsidering how to find out the quanti- mala beetle was introduced and liber-1916. The parasite, a small wasp, scolia manilae." is now well estab lished, and it is to be hoped that the Anomala heetle pest will soon, like the leafhopper, be a thing of the past. The estimated yield for this crop

35,000 tons of sugar. We commenced grinding on the thirteenth of December last, and to date 4,500 tous of sugar have been

manufactured and shipped. The area for the crop of 1918 is as

It is possible that a small portion of the area for this crop may be required

offset any reduction by taking in an increased area of short ratoons Of the area planted, 1374 acres is new land, taken in under the Wainhole itch, in Waipio and Honeae, All of this land was planted in good season, and the growing cane presents an exilent and most promising appearance throughout, also the young ratoons, particularly in the Honene and Honouhuli sections, are in a very advanced condition, showing a good stand of cane in vigorous growth. Although it is too early to make an estimate of the prospective yield for this crop, we should be safe in assuming that average yield will equal that of the crop lest harvested, at which rate we

may look for 45 000 tons of sugar. New Land For 1919 An area of about 1300 acres of new was possibly becoming worse. The hand under the Waishole ditch system, the crop of 1919; in addition to this agen, there are some 500 or 600 acres of evident that the refiners as well as the old lands that will be planted, making a total possible plant for this crop of 1800 or 1900 acres. Every effort is be-On Tuesday, January 30, the market finers were displaying interest in Feb ing made to force the work, preparaoperators willing to take all February freight but made no purchases and fine order that all the property of the coming planting season, in freight but made no purchases and fin- order that all the lands may be planted

The erop area for 1919, including without reducing the crop area.

## Queensland Calls Local PIONEER REPORTS Man To Head Pest Control Work

James F. Illingworth, prefessor of entomology at the College of Hawaii, has accepted an offer of the government

of Queensland, Australia, to take charge of a complete scientific investi-gation of the cane beetle trouble in the sugar plantations of the Australian state and start the work of building up on experiment station there. Professor Illingworth will complete the current college year and leave for Queensland in May.

The beetle problem has been a big one for the Queensland growers for many years. Queensland entomolomany years. gists have been investigating the beetle and grab pest, and much material is available, but no effective control of the trouble has as yet been secured.

The Queensland government has offered to subsidize an experiment station for three years, and it is under-stood that the plan is to make the work

A proposal to Professor Illingworth and he bring two assistant entomologists with him has not yet been de cided. Professor Illingworth made a study of conditions in the Fiji Islands

## Entomologists Get Good Results In Pest Control Work

Substantial progress in the work of pest control by the staff of the planters experiment station is reported by H. P. Agee, director. Particularly favor able results are being obtained in the propagation of the Scolla wasps a parasites of the Anomala beetle.

These natural enemies of the Ano mala have become so abundant in field where they were first liberated in March last year that on January 12 the females could be collected as they came to the blossoms of various weeds Since that time O. H. Sweezey, entomologist conducting the work, har caught large numbers of the wasps and distributed colonies throughout the in fested areas.

Some days as many as a hundred of he wasps were caught and in one day a hundred and seventy five. Altogether in two weeks 891 were collected.

To all appearances, reports Director they were as abundant at the end of this time as in the beginning a there is every evidence that the para site is permanently established. Colonics of the Scolin bayes now been placed thirty-nine of Honolulu plantation where the first colony was liberated but they are not yet seen there in

Work is being continued by the ex periment station staff with other paraites of the Anomala, the Tiphia wasp, Prosena flies and Dexia flies. To date there is no evidence of the establish-

ment of these latter parasites. parasites brought The breeding of rom Formosa for the leafhopper post s also procressing and colonies are sent out from the experiment station whenever evailable. Last month colonier were liberated where leafhoppers were bundent in Kinasa Gulch and field forty-nine of Oahu Sugar Company.

## PHILIPPINE CROP DAMAGED AND ESTIMATE CUT DOWN

Willett & Gray state: "We are in receipt of a cable from Manila which reports a decrease of 50,000 tons in the Philippine crop estimate, from 220, 000 tons to 170,000 tons. This amount to practically a catastrophe, as only thout helf a crop will be made. Last year's crop outturned 316,450 tons. The restest reduction is in the crop of the Island of Hoilo, the largest sugar-producing Island of the Philippine group The damage has been caused principally by very severe rains, which have cor tinued too far also into the grinding schoon, now on. Continued heavy rains promise to cut down the crop still further."

Evidence Against Topping

Results recorded thus far in a series topping experiments conducted by the planters' experiment station are against the practice of topping, Direct Ame reports. experiments of topping to be harvested to s year. Two of these are harvested The experiments were conducted at the Hilo Sugar Company and show s loss from topping of about nine per cent. "We consider it inadvisable to draw definite conclusions," says Direct or Agee, "until the results from the other three experiments are available.

New Field Experiments

Two new field experiments are being laid out by the planters' experiment station staff at Hawaiian Commercial and Sogar Company and at Hawi Mill and Plantation Company. At both places an opportunity is available for accurately designed tests as there is the advantage of laying out experiments before the field is furrowed. In this way straight, accurately measured rows are possible. At Pumene the area some sixty erres while at Hawl fifteen (over 11.000 pounds) will be seized by examination, into strains that vary cares are devoted to the work. the Government.

Manager States That Grinding Progresses Favorably Despite Weather

Reports on the 1916 crop, the present crop and the 1918 crop were submitted to the annual meeting of the shareholders of Pioneer Mill Company by Manager Weinzheimer as follows: The area from which the 1916 cror

was harvested consisted of 1666.65 acres planteane, 2374.30 acres long rattoons and 313.25 acres short rattoons. or of a total area of 4354,20 acres, The average yield per aere was 55.30 tons of cane and 7.52 tons of sugar, showing a gain of 3.54 tons of cane per acre and a loss of 0,04 tons of sugar per acre as compared with crop 1915. It took 0.51 tons more of cane to follows: manufacture one ton of sugar for the

Brinding Started Late

Although we ground about 13,000

To the late grinding is due also considerable loss of weight of cane. This Year's Crop Suffers

The 1917 crop had an early start and looked very promising at the begin-ing of the year 1916; but it suffered from the severe storms during the first four months, and owing to the poor climatic conditions prevailing later on it grew but slowly during the months of June, July and August; only in the months of September and October the cane seemed to improve.

We began grinding this crop on De-cember 4, 1916, and up to January 31, 1917, we have harvested from 984.75 nunnfactured 7158 tons of sugar. Judging from the foregoing results it seems hat my estimate will be realized, which now place between 32,000 and 33,000

tons of sugar. Once Producing Well

So far, it took 7.60 tons of cane to nanufacture one ton of sugar, or .30 furing the previous year. In spite of weather conditions, which have not een favorable for barvesting, we have lost much time of grinding.

The 1918 crop consists of 890,50 adres lentenne, 3334.30 acres long rattoons, nd about 400 acres short rattoons, or f a total of about 4600 acres. On ache rattoons were also late. The cane of quite a large area has not covered and the continuous rains will cause weeding.

omparison with other years, and at the present time, even considering the

Next Crop Is Behind

orger area, it looks as if we could not expect as good yield as in other years, which is due mainly to the larger area f short rattoons. With all the improvements made dur-ing 1915 1916 the mill work did not seems entirely successful," said Directng 1915 1916 the mill work did not ome up to expectations. Although we ground slightly more cane, with an exraction of about one-half per cent righer than during other years, we ex-

sected considerably better results. The uices were poor and the fiber seemof poor fuel value, which was robably due to the continuous rains. The Williams shredder which we in stalled did good work, after a good deal of experimenting, and has done good work so far during the 1917

Everything else seems to work better his year, also the juices are better; but f the rain continues, a falling off of the juices must be expected. The extraction so far is about one

er cent better than last year, and we onve also ground more came per day.

## SOME PLOW POINTERS

In playing, the center of resistance is t the bottom of the furrow and not at he end of the plow beam. Using muliple shares from two to a dozen, the win draft bar must be rigidly atthed to the plow-beams so that the slow, once having been set to turn a arrow to the proper depth, will keep hat resition and follow team or tracor wherever they lead.

Keep the plowshares sharp. See that ill wheel bearings and rolling coulter arings are well greased daily, sharp plowshare does better work with gangs, and test hundreds, perhaps thouless power than a dull one. Use the emnev wheel freely during the plowing

## Danish Sugar Shortage

Denish home minister has issued a cuttings obtained from them. Thus an statement according to which all sugar

## Refined Soars As Market Responds To Cuban Situation

With the New York market hanging on the outcome of the revolt in Caba, on the outcome of the revolt in Caba, advices received yesterday indicate a rapid rise in the price for raws. Refined has already advanced, soaring twenty-five cents during the last few days. Two wireless messages received by Alexander & Baldwin from the New York house of the firm summarize traduce of ill variables.

ng up fill yesterday, as follows:
'The market is unsettled, due to po sible revolution in Cuba. Refiners and rade are minimizing the importance of the probable trouble.

"The option market, due to the covering of shorts, closed for February de ivery at 5.45 cents, for March delivery at 5.44 cents and for May delivery at 5.40 cents. A possible reaction may take place, depending on Cuban condi-

"There are no offers of raws. ators are bidding 5.27 cents, while re-finers have withdrawn. The refined basis advanced to 7.00 cents."

The second message, sent a day later

"Refiners advanced the basis to 7.25 1916 crop than during the previous cents. There was a good business beearly March Cubas at 5.39 We started grinding on December Parto Ricos sold to Warner at 5.05, 17, 1915, or about one month later Cubas for March shipment sold at 5.39. han the previous year; this was due to the late arrival of machinery. On account of this late start, and the uncount of this late start, and the uncounter o avorble harvesting conditions, the crop 5.46, closed at 5.45. The future marvas not finished before September 7, ket depends on developments of the 1916, yielding a total output of 32,752 Cuban situation."

The refined basis has been steady at 6.75 cents for several weeks. ons of cune more than in any previous of A. M. Nowell, manager of the Sugar ear, the output of sugar was 477 tons Factors' Company, show that New York refined advanced to 7,00 cents Tuesday, with the exception of the American and the Howell refineries, which quoted 6,75 cents. Yesterday the American advanced to 7.00 and all others to 7.25 cents, with the exception of Howell, which withdrew from the

> Yesterday morning Crockett and Western refineries in the San Francisco market advanced to 7.00 cents, making New York and San Francisco on a parit'v assuming the American quotation of 7.00 in New York holds.

## ons less than up to the same date New Plan For improvement of Cane Varieties Announced

Propagation of new seedling varieties has met with excellent success at the various sub-stations of the planters' experiment station according to count of the late grinding during 1916 Director Ages who reports the inwhile to plant as large an area as I experimenting for the improvement of ad anticipated. We only finished cane varieties. Germinations of new lenting by the end of November, and seedlings to date are reported by L. D. Larsen, agriculturalist, to the number of 24,800.

The number of seedlings are reported considerably higher expense for as follows: 4000 at Honolulu where J. S. B. Pratt, Jr., and Y. Kutsunai are in charge of the work; 500 at Waipio The erop as a whole is behind, in in charge of L. T. Lyman; 15,000 at Wailuku in charge of J. T. Moir, Jr.: 2000 at McBryde in charge of R. S. Thurston; 3000 at Kohala in charge of W. P. Alexander: 225 at Honokaa and 75 at Hilo. "The plan of conducting this seed-

or Agee. "We are receiving splendid cooperation from the plantation ons. In admitton to the work reported, five plantations are starting propagation work on their own accord."

The new plan of conducting the work on improvement of case varieties will be under way within the next few mouths. It is devised by Dr. H. L. Lyon, station pathologist, and is ex- bags Cubes Pebruary shipment, 3% plained as follows by Director Agee: of new seedlings, and the selection of a few which give promise of excelling the standard canes.

the standard canes.

'The question of improving a single variety, say Yellow Caledonia, by taking advantage of the vegetaive or bud variation among the individual plants and securing by selection a strain superior to the average run of the variety has been discussed from time to time. The proposition is subject to many errors from uncontrollable factors, and the big problem is to surmount these.

"We propose within the next few months to investigate the possibilities in this direction utilizing a plan which has been devised by Dr. Lyon after certain preliminary work.

"In brief, the idea is to go into a field just ahead of the harvesting sands, of caues by cutting a small section from each stick, squeezing out a into Russia through Vladivostok is befew drops of juice and determining the ing supplied by Japan, whose Formosan density by means of a refractometer.

Danish Sugar Shortage establishing the average in the connection with the introduction those canes showing unusually high "So far America has participated in of sugar tickets in Deamark, the density will be noted and seed cane supplying Russia with sugar only to the sugar tickets in Deamark, the density will be noted and seed cane supplying Russia with sugar only to the sugar tickets in Deamark, the density will be noted and seed cane supplying Russia with sugar only to the effort will be made to divide the Yellow

Improvement Comes Later On **Heavy Sales of Cubas** and Porto Rico

Reports of a dull market in New York for raw sugar, with a slight im-provement later, is told of in the correspondence of a local sugar house from its New York representative writing under date of January 25. The letter

The market this week has been dull, with a sagging tendency which has become accentuated today owing to the

Both the American and National say they are out of the market for raw interested at bargain prices. January shipment sugars from Cuba are now of-fered at 4 cents; first half February, 3 15-16 cents; all February, 3%, cents C. & F., while the best bids of refiners are

Cuban Freights Attractive Receipts from Cuba are now well bove meltings, which are much below last year's, and there is no sign of the feature of the sugar situation.

Buyers for export are evidently de-termined to sit tight and wait until prices arrive at levels which will be structive to them. Failing the hopedfor export business, it is hard to see what else can be expected but a continuation of the fall in prices now going on. Freights from Cuba are lower by a good deal than was at one time expected, and are now 45 cents to 55 cents per 100 pounds for February and March engagements.

The immunity from molestation due to war activities, makes the freighting business between Cuba and the United States very attractive to neutrals, notwithstanding the tempting rates offered in the transatlantic business, which involves the possione loss of a steamer and her earning capacity for "Half a lonf is better than no bread'' undoubtedly has no little weight with shipowners in these

Figures from Cuba for the week end-

ing twentieth instant are, in tons, as follows: Himely Gums 91,533 Receipts ..... 93,000 Exports ..... 61,000 60,733 111,443 Centrals ..... Exports north of Hatteras ..... 60,500 Exports to New Or-

Exports to Spain.... - 500 At the same approximate date last year there were 164 centrals, and in 1915, 148 centrals in operation. From now on production in Cuba will be at the rate of 100,000 tons and more per week. The British commission may may not be able to supply vessels for their purchases for March and April hipment, but, anyhow, much congesion at the outports in Cuba is inevita-

Refined Readjustment Due Refined sugar is quoted by all refiners on the basis of 6.75 cents, which, of conrse, is now far too high. No refiner, however, is anxious to commence cutting prices just yet, but a radical endjustment must come before long. Meantime the policy of the trade will

continue to be hand to mouth. Curtailment of consumption in the allied countries of Europe is not conducive to a feeling of bullishness with regard to the future of this market, and the threatened campaign of submarines has quite a deterrent effect with those who go down to the sea in

Sales Improve Situation Since the above was written an imrovement has developed, and the pessimism of the morning has given way to a modified brand of hopefulness due

to the report of the following sales; Ten thousand tons Cubas, presumably for Europe. 3.35 f. o. b. Cuba; 20,000 cents C. & F., operator; small lots "Our work in securing better varie- aftent from Cube, at 4 cents C. & P.; ies has thus far been largely confined from 29,000 to 30,000 bags Cubas first to the propagation of a large number helf February clearance, 3% cents to refiners and operators, and 10,000 bags Porto Ricos nearby, 5.02 c. i. f. to the American.

This last sale is very private, but indientes that the big buyer's indifferonce is rather assumed. The fact that operators are working with a little more confidence is of interest also,

### RUSSIA NEEDS IMPORTS TO MAKE UP FOR POOR CROP

The Bussian crop for 1916-17 is turning out very poorly, reports Willet & Gray, as was anticipated. "It is questioned," states this journal. "whether an amount in addition to the 300,-000 tons to be imported free will not have to be allowed to help out the existing severe shortage.

Hongkong reports indicate that the bulk of the 200,000 tons to be imported erop is large, the mills there having "Dr. Lyon proposes that after once started grinding a month earlier than

granulated order of about 25,000 tons. but even that is in doubt, the actual destination not being fully confirmed